

Data Path : Z:\HPCHEM1\BNA N\DATA\BN032218\
 Data File : BN000541.D
 Acq On : 22 Mar 2018 15:37
 Operator : JU/SJ
 Sample : J1905-15DL 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 23 02:24:15 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 23 02:22:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	149927	20.00	ng/ul	0.00
18) Naphthalene-d8	11.25	136	628125	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.04	164	350420	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.78	188	755085	20.00	ng/ul	0.02
75) Chrysene-d12	21.88	240	809591	20.00	ng/ul	0.00
83) Perylene-d12	24.37	264	873245	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.60	96	852	0.20	ng/uL	0.00
5) Phenol-d5	7.57	99	17896	1.28	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.72	67	32090	3.98	ng/ul	0.00
9) 2-Chlorophenol-d4	7.94	132	31955	3.02	ng/ul	0.00
13) 4-Methylphenol-d8	9.14	113	24868	2.28	ng/ul	0.00
19) Nitrobenzene-d5	9.60	128	23095	4.53	ng/ul	0.00
22) 2-Nitrophenol-d4	10.32	143	16992	3.22	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.88	165	34263	3.62	ng/ul	0.01
29) 4-Chloroaniline-d4	11.35	131	46197	4.75	ng/ul	-0.03
43) Dimethylphthalate-d6	14.42	166	104763	3.78	ng/ul	0.00
46) Acenaphthylene-d8	14.74	160	134516	3.68	ng/ul	0.00
51) 4-Nitrophenol-d4	15.22	143	22966	4.47	ng/ul	0.00
57) Fluorene-d10	16.02	176	90609	3.84	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.15	200	41347	9.56	ng/ul	0.02
70) Anthracene-d10	17.87	188	137191	3.78	ng/ul	0.01
76) Pyrene-d10	20.12	212	150241	3.36	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.21	264	146346	3.55	ng/ul	0.00

Target Compounds

					Ovalue	
4) Benzaldehyde	7.53	77	35043	6.145	ng/ul#	1
14) Acetophenone	9.37	105	45015	2.779	ng/ul	90
17) Hexachloroethane	9.53	117	52581	11.671	ng/ul#	1
21) Isophorone	10.16	82	837837	34.901	ng/ul#	95
25) Bis(2-Chloroethoxy)methane	10.67	93	25015	1.650	ng/ul#	77
27) 2,4-Dichlorophenol	10.91	162	15598	1.696	ng/ul#	71
28) Naphthalene	11.31	128	198107	6.006	ng/ul#	93
32) Caprolactam	12.17	113	3528	1.050	ng/ul#	1
33) 4-Chloro-3-methylphenol	12.52	107	27172	2.514	ng/ul#	23
34) 2-Methylnaphthalene	12.89	142	315941	14.346	ng/ul	99
38) 2,4,6-Trichlorophenol	13.49	196	22447	3.143	ng/ul	97
39) 2,4,5-Trichlorophenol	13.57	196	16482	2.214	ng/ul	99
40) 1,1'-Biphenyl	13.87	154	33095	1.109	ng/ul#	85
42) 2-Nitroaniline	14.08	65	14279	2.049	ng/ul#	1
49) Acenaphthene	15.10	153	28428	1.165	ng/ul	85
50) 2,4-Dinitrophenol	15.15	184	17388	6.679	ng/ul#	1
52) 4-Nitrophenol	15.26	109	24131	6.074	ng/ul#	14
55) 2,3,4,6-Tetrachlorophenol	15.67	232	2121668	373.145	ng/ul#	84
58) Fluorene	16.08	166	42251	1.605	ng/ul#	86
63) 4,6-Dinitro-2-methylphenol	16.15	198	115531	25.306	ng/ul#	78
64) N-Nitrosodiphenylamine	16.27	169	41169	1.655	ng/ul#	45
68) Pentachlorophenol	17.45	266	5241439	1221.682	ng/ul	96
69) Phenanthrene	17.82	178	207476	4.770	ng/ul#	95

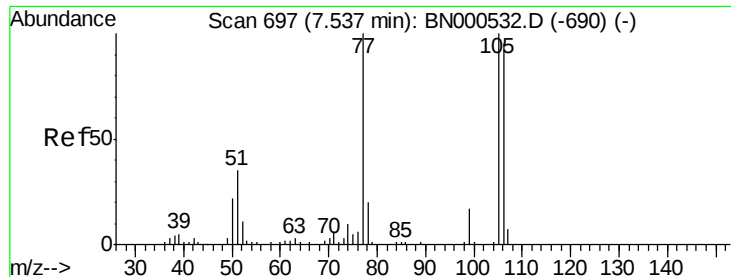
Data Path : Z:\HPCHEM1\BNA N\DATA\BN032218\
Data File : BN000541.D
Acq On : 22 Mar 2018 15:37
Operator : JU/SJ
Sample : J1905-15DL 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Mar 23 02:24:15 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 23 02:22:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Anthracene	17.82	178	207476	4.652	ng/ul	97
72) Carbazole	18.17	167	43214	1.130	ng/ul#	81
74) Fluoranthene	19.79	202	106472	2.463	ng/ul#	73
77) Pyrene	20.15	202	98549	1.667	ng/ul#	71

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#4

Benzaldehyde

Concen: 6.145 ng/ul

RT: 7.53 min Scan# 696

Delta R.T. -0.01 min

Lab File: BN000541.D

Acq: 22 Mar 2018 15:37

Instrument :

BNA_N

ClientSampled :

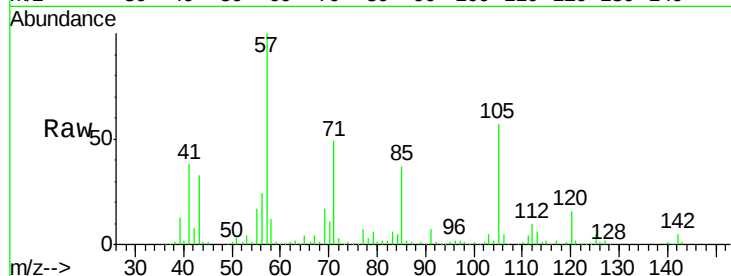
Tot Ion: 77 Resp: 35043

Ion Ratio Lower Upper

77 100

105 766.6 71.0 106.6#

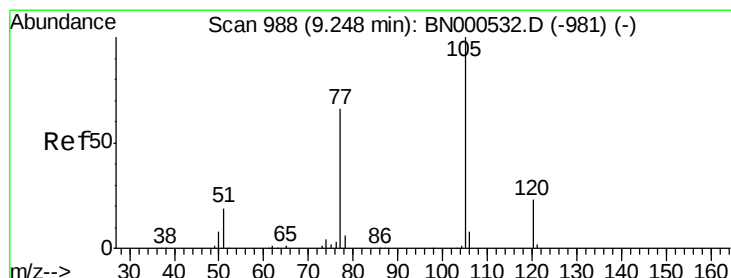
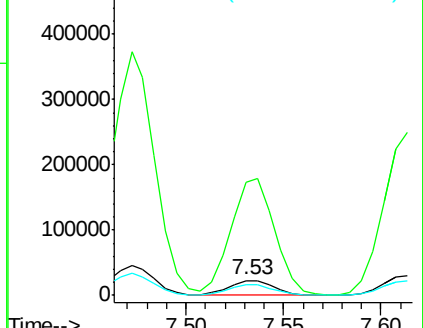
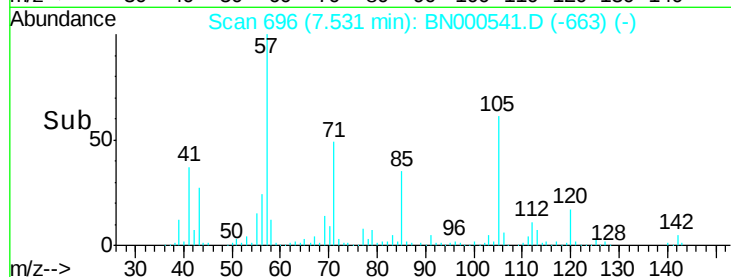
106 70.7 69.5 104.3



Abundance Ion 77.00 (76.70 to 77.70): BN000532.D (-690) (-)

Ion 105.00 (104.70 to 105.70): BN000532.D (-690) (-)

Ion 106.00 (105.70 to 106.70): BN000532.D (-690) (-)



#14

Acetophenone

Concen: 2.779 ng/ul

RT: 9.37 min Scan# 1009

Delta R.T. 0.12 min

Lab File: BN000541.D

Acq: 22 Mar 2018 15:37

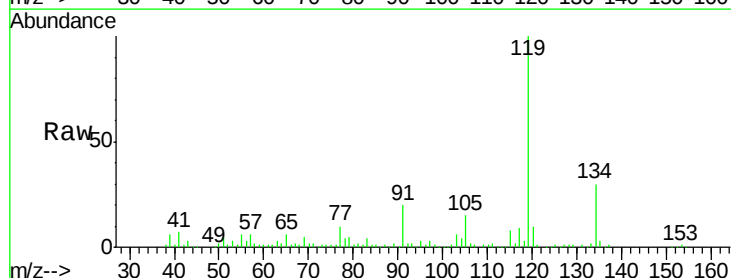
Tgt Ion: 105 Resp: 45015

Ion Ratio Lower Upper

105 100

77 69.6 63.2 94.8

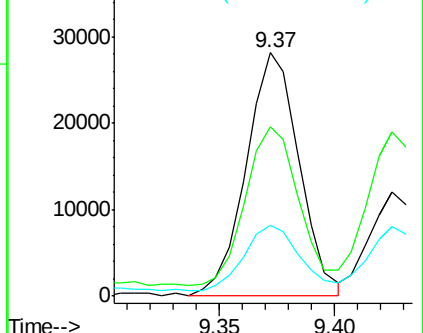
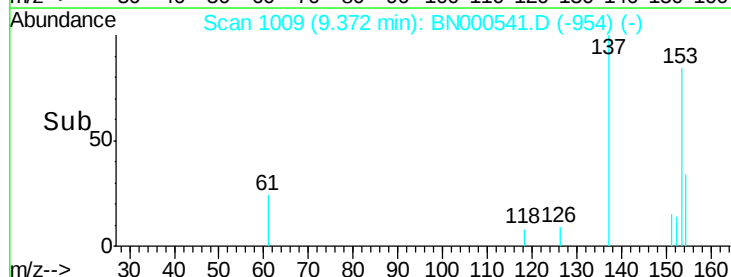
51 29.1 19.8 29.8

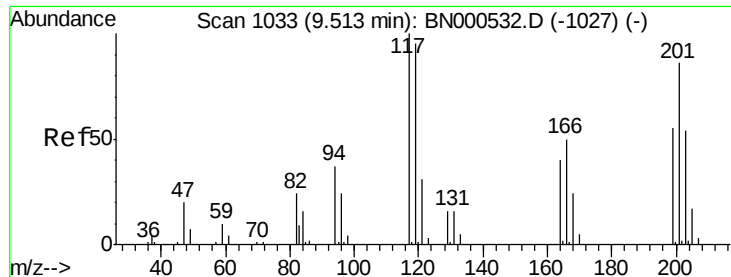


Abundance Ion 105.00 (104.70 to 105.70): BN000532.D (-981) (-)

Ion 77.00 (76.70 to 77.70): BN000532.D (-981) (-)

Ion 51.00 (50.70 to 51.70): BN000532.D (-981) (-)

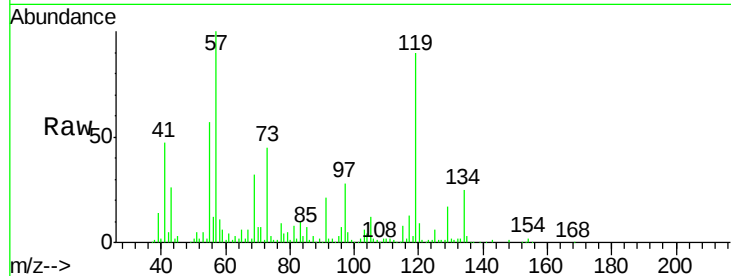




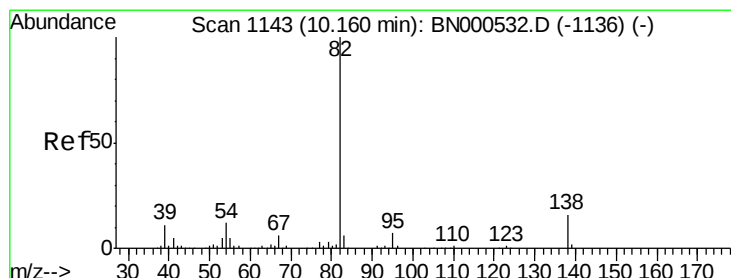
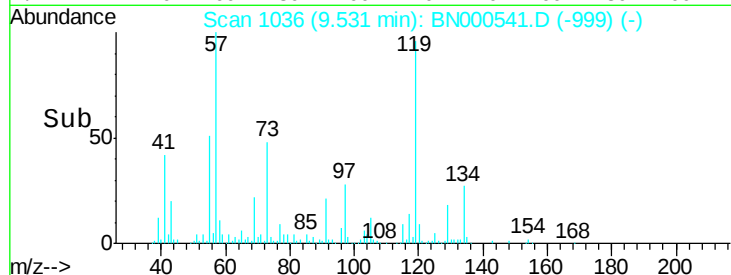
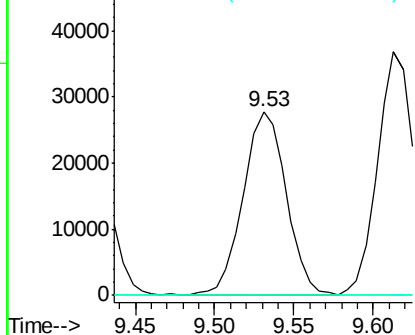
#17
Hexachloroethane
Concen: 11.671 ng/ul
RT: 9.53 min Scan# 1036
Delta R.T. 0.02 min
Lab File: BN000541.D
Acq: 22 Mar 2018 15:37

Instrument :
BNA_N
ClientSampled :

Tot Ion:117 Resp: 52581
Ion Ratio Lower Upper
117 100
201 0.0 96.1 144.1#
199 0.0 59.7 89.5#

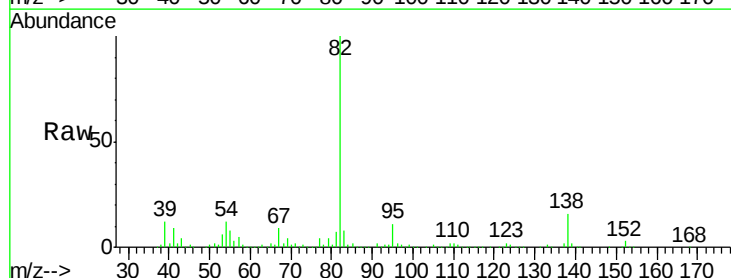


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 201.00 (200.70 to 201.70): E
Ion 199.00 (198.70 to 199.70): E

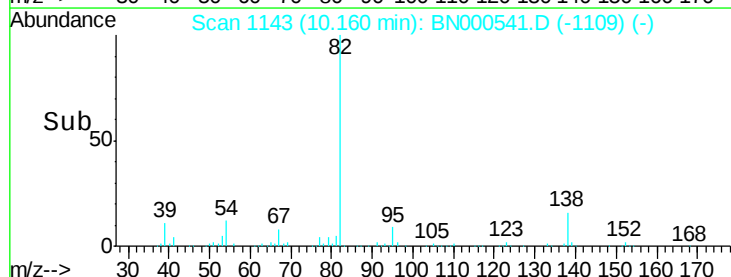
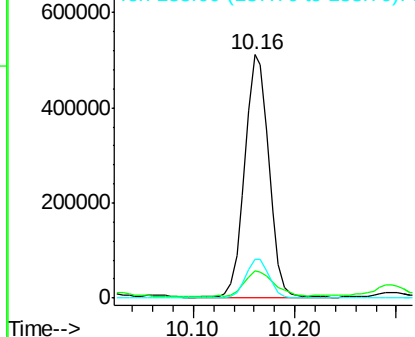


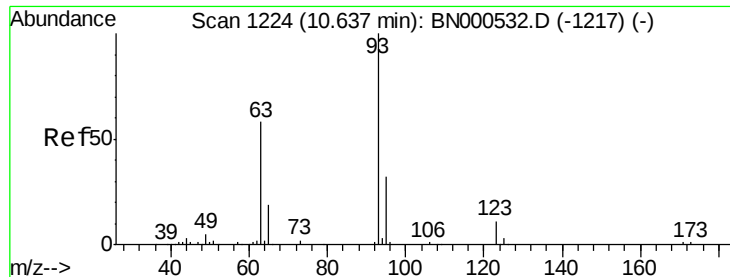
#21
Isophorone
Concen: 34.901 ng/ul
RT: 10.16 min Scan# 1143
Delta R.T. -0.00 min
Lab File: BN000541.D
Acq: 22 Mar 2018 15:37

Tgt Ion: 82 Resp: 837837
Ion Ratio Lower Upper
82 100
95 11.2 6.1 9.1#
138 15.8 13.5 20.3



Abundance Ion 82.00 (81.70 to 82.70): BNC
Ion 95.00 (94.70 to 95.70): BNC
Ion 138.00 (137.70 to 138.70): E

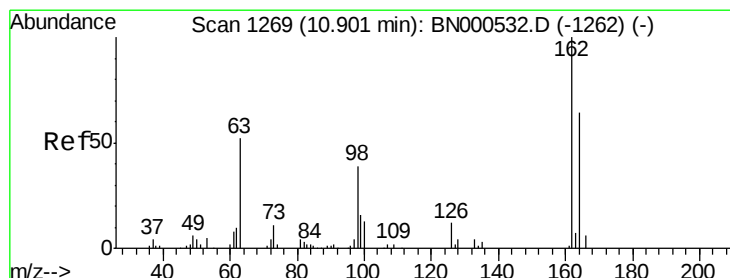
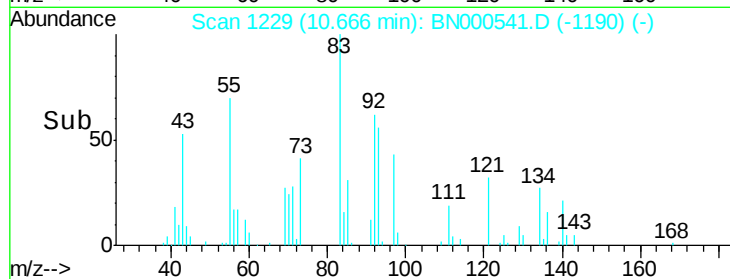
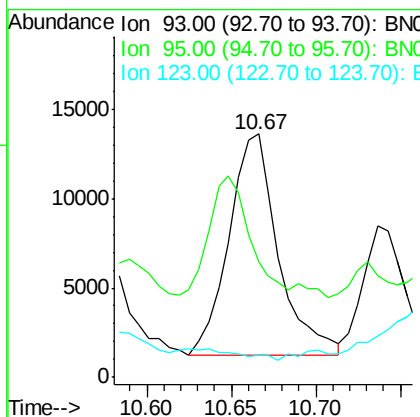
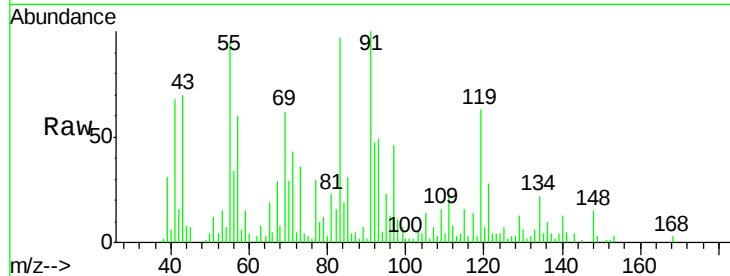




#25
 Bis(2-Chloroethoxy)methane
 Concen: 1.650 ng/ul
 RT: 10.67 min Scan# 1229
 Delta R.T. 0.03 min
 Lab File: BN000541.D
 Acq: 22 Mar 2018 15:37

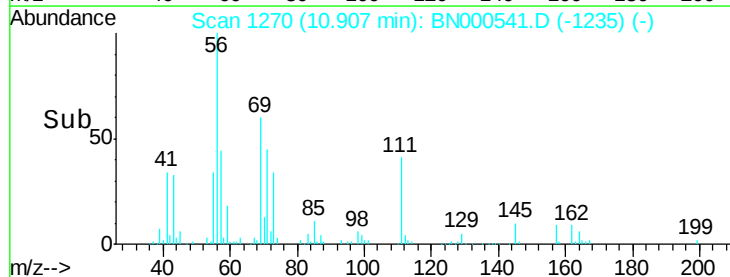
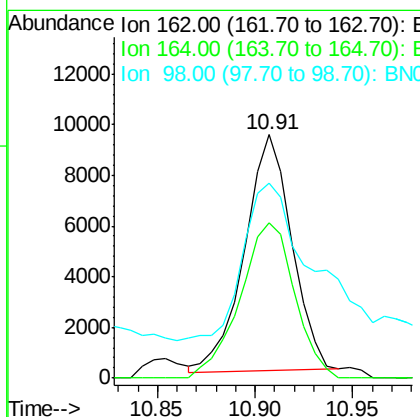
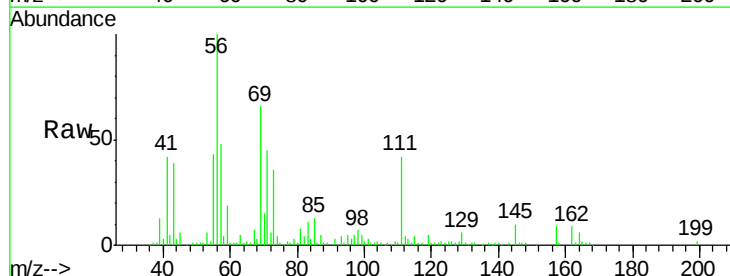
Instrument :
 BNA_N
 ClientSampleID :

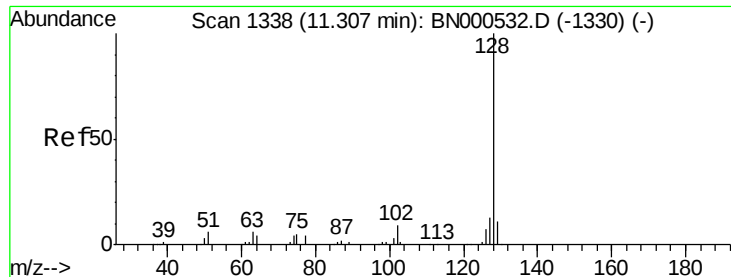
Tot Ion: 93 Resp: 25015
 Ion Ratio Lower Upper
 93 100
 95 47.5 24.7 37.1#
 123 9.1 8.2 12.2



#27
 2,4-Dichlorophenol
 Concen: 1.696 ng/ul
 RT: 10.91 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: BN000541.D
 Acq: 22 Mar 2018 15:37

Tgt Ion: 162 Resp: 15598
 Ion Ratio Lower Upper
 162 100
 164 63.8 52.0 78.0
 98 80.0 26.6 39.8#





#28

Naphthalene

Concen: 6.006 ng/ul

RT: 11.31 min Scan# 1338

Delta R.T. -0.00 min

Lab File: BN000541.D

Acq: 22 Mar 2018 15:37

Instrument :

BNA_N

ClientSampleId :

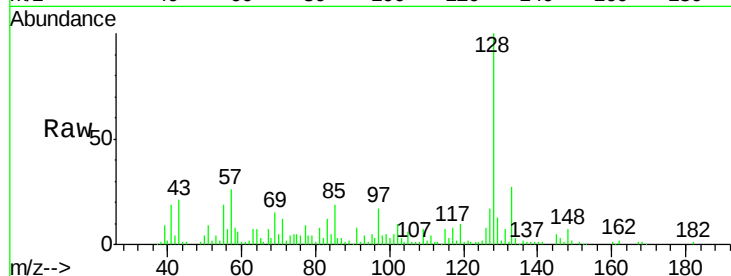
Tot Ion:128 Resp: 198107

Ion Ratio Lower Upper

128 100

129 12.6 8.3 12.5#

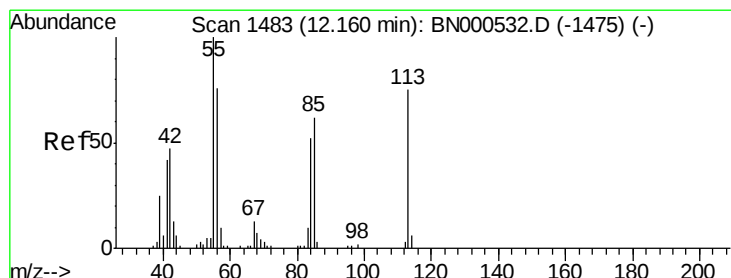
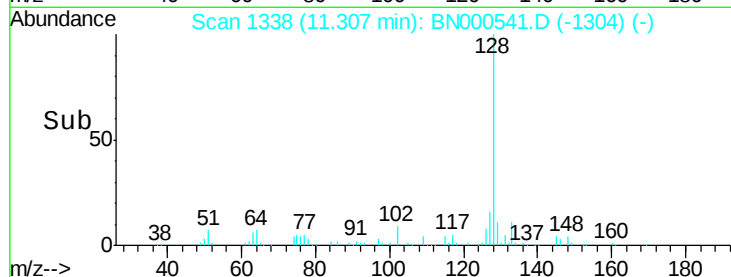
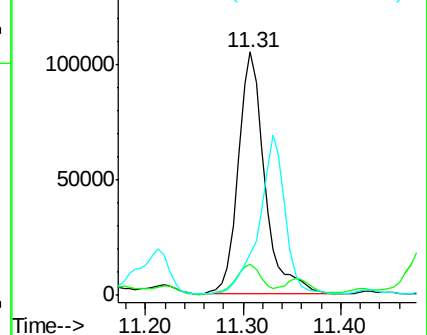
127 16.8 10.8 16.2#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Caprolactam

Concen: 1.050 ng/ul

RT: 12.17 min Scan# 1484

Delta R.T. 0.01 min

Lab File: BN000541.D

Acq: 22 Mar 2018 15:37

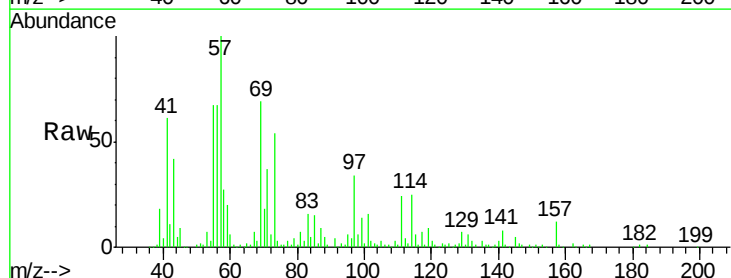
Tgt Ion:113 Resp: 3528

Ion Ratio Lower Upper

113 100

55 3199.1 131.7 197.5#

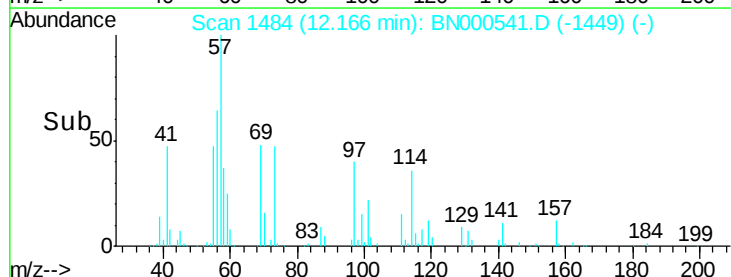
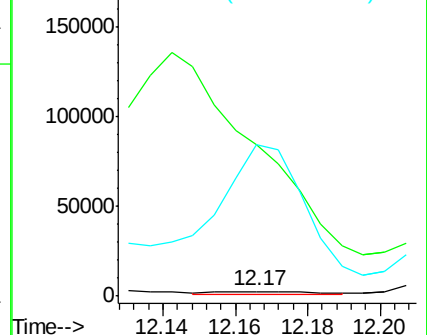
56 3196.1 92.7 139.1#

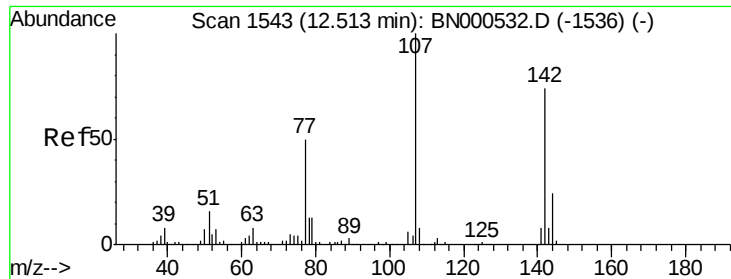


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BNC

Ion 56.00 (55.70 to 56.70): BNC

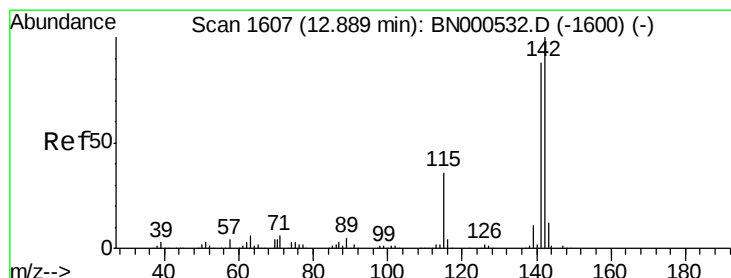
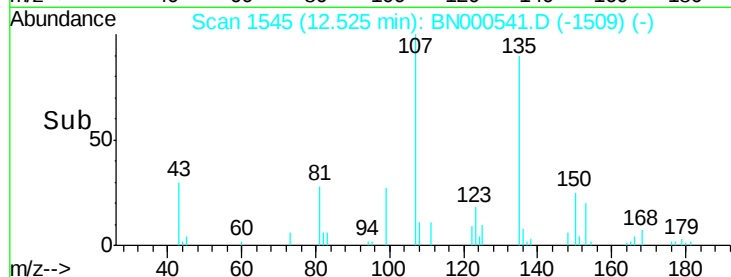
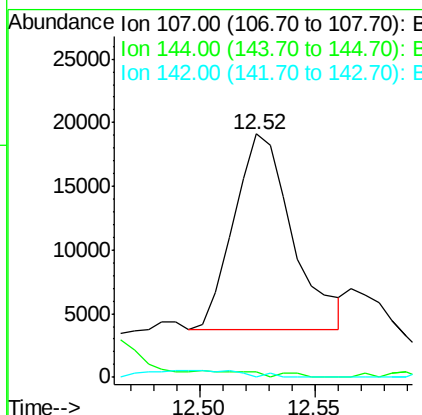
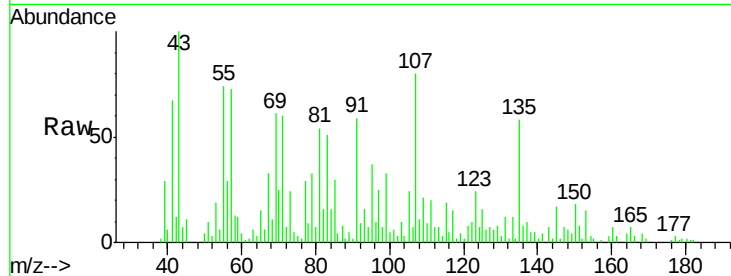




#33
 4-Chloro-3-methylphenol
 Concen: 2.514 ng/ul
 RT: 12.52 min Scan# 1545
 Delta R.T. 0.01 min
 Lab File: BN000541.D
 Acq: 22 Mar 2018 15:37

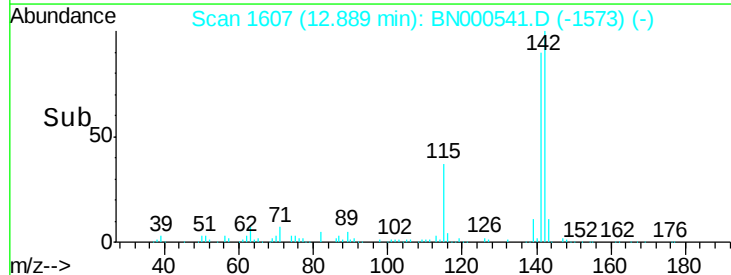
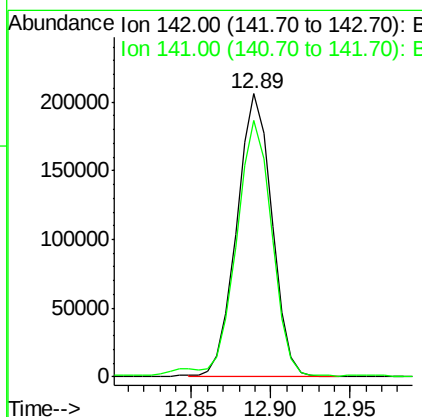
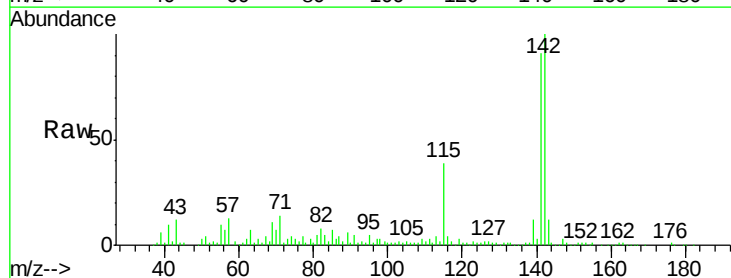
Instrument :
 BNA_N
 ClientSampleId :

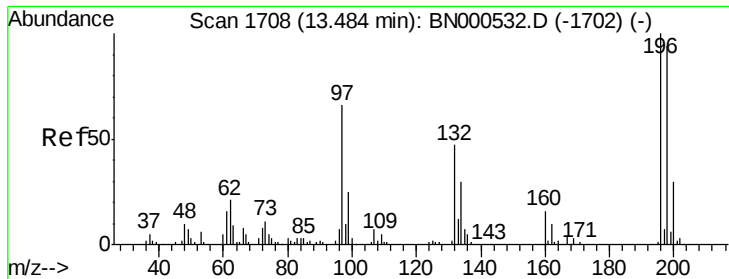
Tot Ion:107 Resp: 27172
 Ion Ratio Lower Upper
 107 100
 144 2.3 21.1 31.7#
 142 0.0 60.1 90.1#



#34
 2-Methylnaphthalene
 Concen: 14.346 ng/ul
 RT: 12.89 min Scan# 1607
 Delta R.T. -0.00 min
 Lab File: BN000541.D
 Acq: 22 Mar 2018 15:37

Tgt Ion:142 Resp: 315941
 Ion Ratio Lower Upper
 142 100
 141 90.6 71.4 107.2

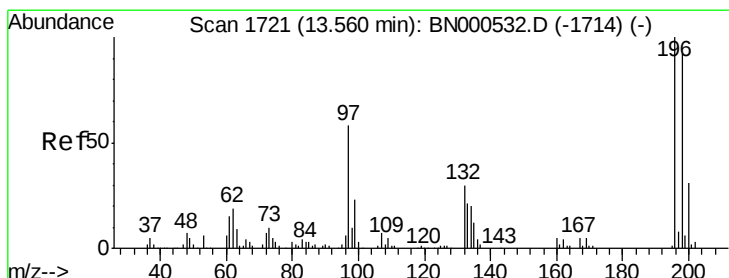
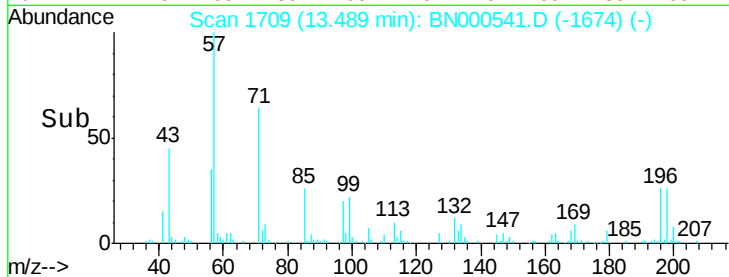
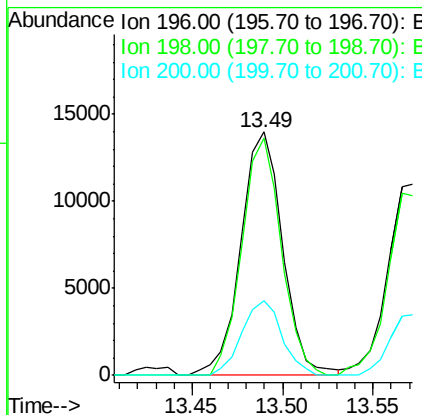
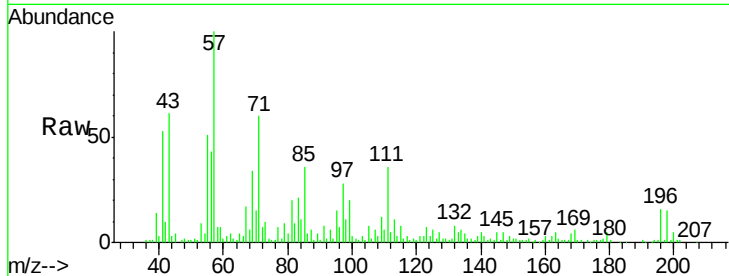




#38
 2,4,6-Trichlorophenol
 Concen: 3.143 ng/ul
 RT: 13.49 min Scan# 1709
 Delta R.T. 0.01 min
 Lab File: BN000541.D
 Acq: 22 Mar 2018 15:37

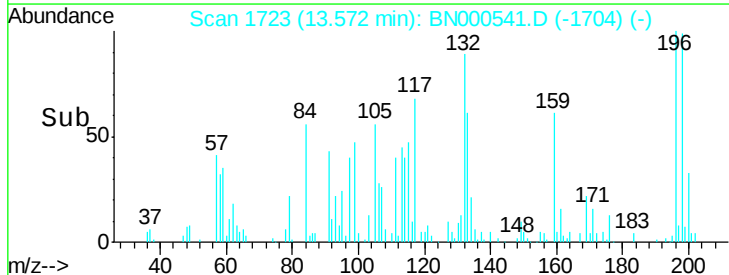
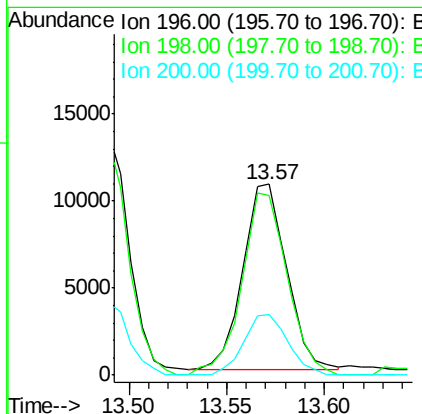
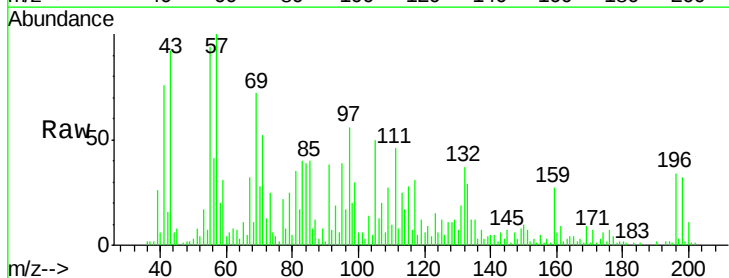
Instrument :
 BNA_N
 ClientSampled :

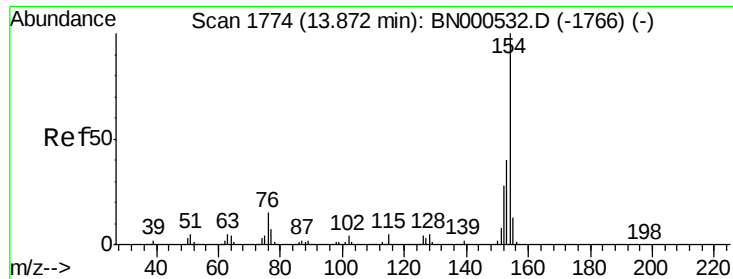
Tot Ion:196 Resp: 22447
 Ion Ratio Lower Upper
 196 100
 198 97.6 75.9 113.9
 200 30.8 25.8 38.6



#39
 2,4,5-Trichlorophenol
 Concen: 2.214 ng/ul
 RT: 13.57 min Scan# 1723
 Delta R.T. 0.01 min
 Lab File: BN000541.D
 Acq: 22 Mar 2018 15:37

Tgt Ion:196 Resp: 16482
 Ion Ratio Lower Upper
 196 100
 198 94.2 74.7 112.1
 200 31.6 25.4 38.0

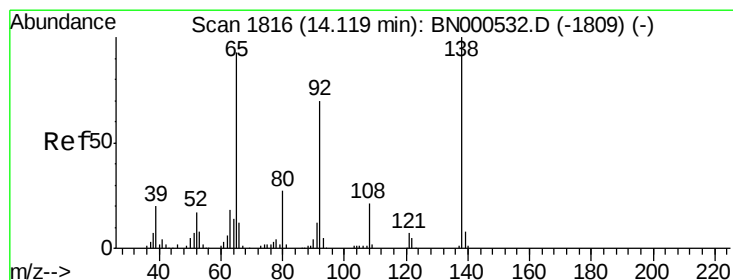
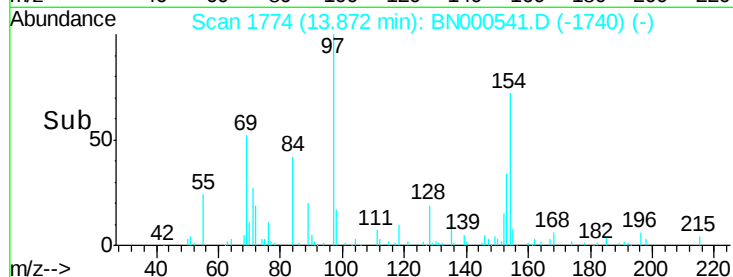
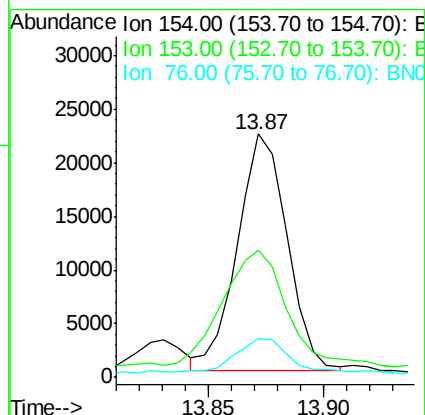
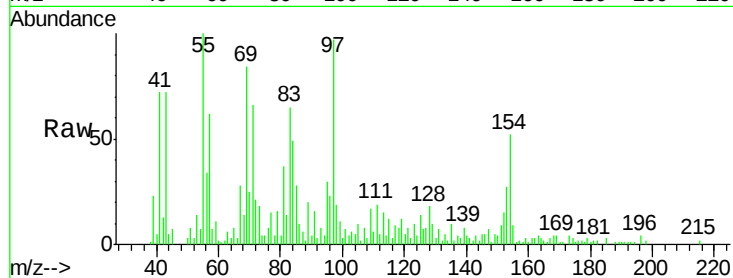




#40
 1,1'-Biphenyl
 Concen: 1.109 ng/ul
 RT: 13.87 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: BN000541.D
 Acq: 22 Mar 2018 15:37

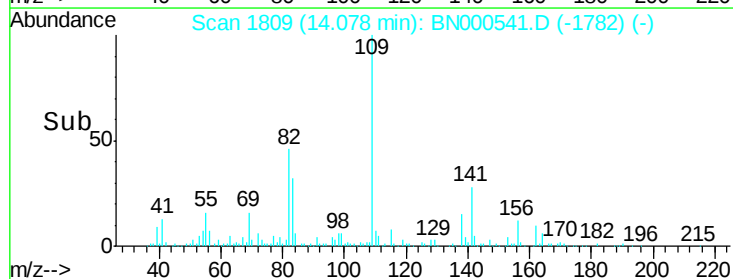
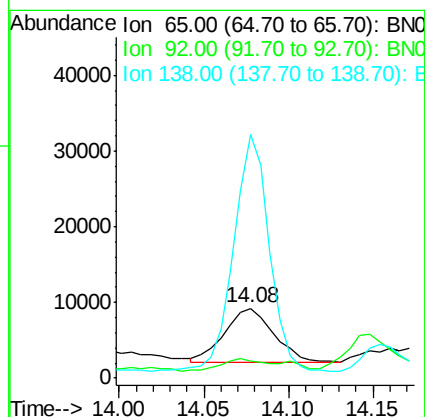
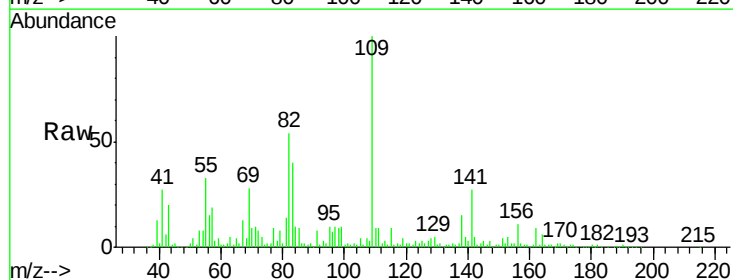
Instrument :
 BNA_N
 ClientSampled :

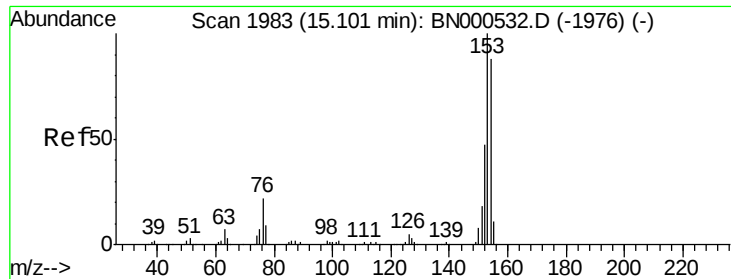
Tot Ion:154 Resp: 33095
 Ion Ratio Lower Upper
 154 100
 153 52.3 34.0 51.0#
 76 16.0 8.4 12.6#



#42
 2-Nitroaniline
 Concen: 2.049 ng/ul
 RT: 14.08 min Scan# 1809
 Delta R.T. -0.04 min
 Lab File: BN000541.D
 Acq: 22 Mar 2018 15:37

Tgt Ion: 65 Resp: 14279
 Ion Ratio Lower Upper
 65 100
 92 25.1 57.0 85.4#
 138 347.0 87.2 130.8#





#49

Acenaphthene

Concen: 1.165 ng/ul

RT: 15.10 min Scan# 1983

Delta R.T. -0.00 min

Lab File: BN000541.D

Acq: 22 Mar 2018 15:37

Instrument :

BNA_N

ClientSampled :

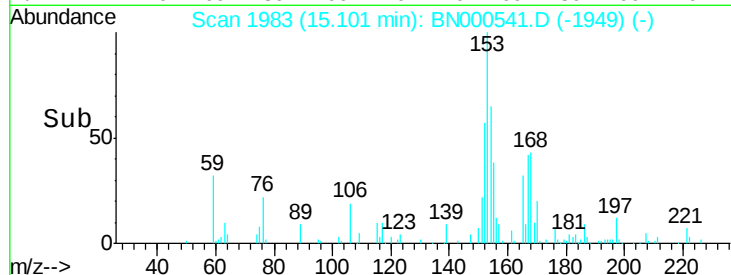
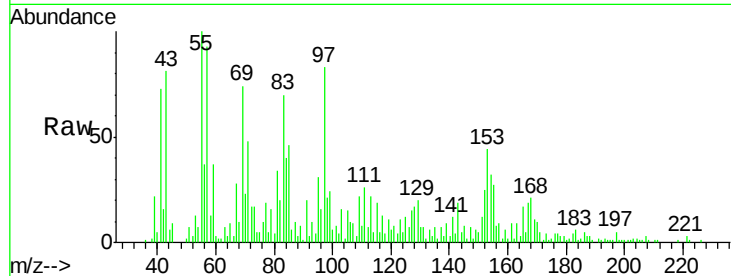
Tot Ion:153 Resp: 28428

Ion Ratio Lower Upper

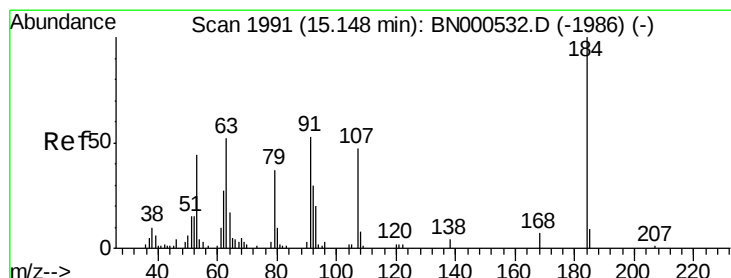
153 100

152 56.8 37.9 56.9

154 73.4 69.8 104.6



Time-->



#50

2,4-Dinitrophenol

Concen: 6.679 ng/ul

RT: 15.15 min Scan# 1992

Delta R.T. 0.01 min

Lab File: BN000541.D

Acq: 22 Mar 2018 15:37

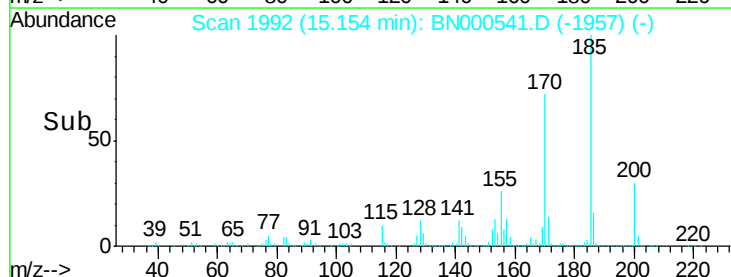
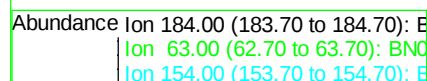
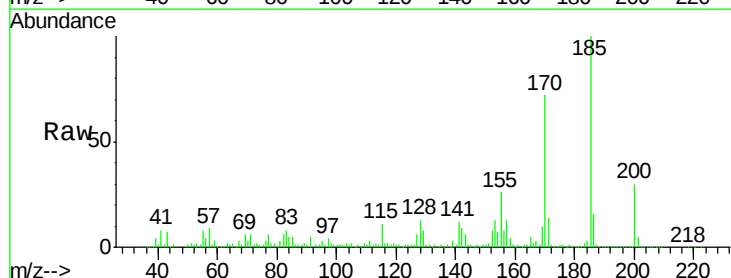
Tgt Ion:184 Resp: 17388

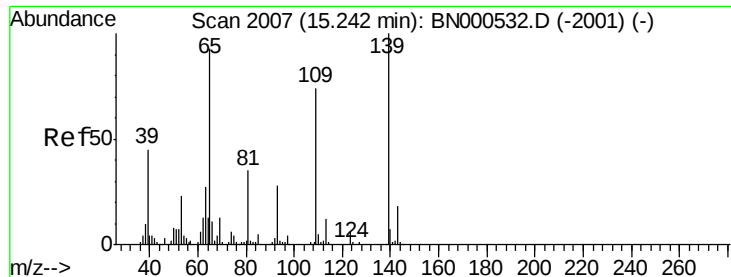
Ion Ratio Lower Upper

184 100

63 86.1 39.7 59.5#

154 255.9 45.0 67.6#





#52

4-Nitrophenol

Concen: 6.074 ng/ul

RT: 15.26 min Scan# 2010

Delta R.T. 0.02 min

Lab File: BN000541.D

Acq: 22 Mar 2018 15:37

Instrument :

BNA_N

ClientSampled :

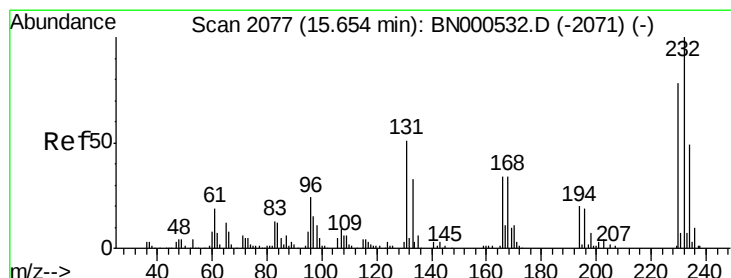
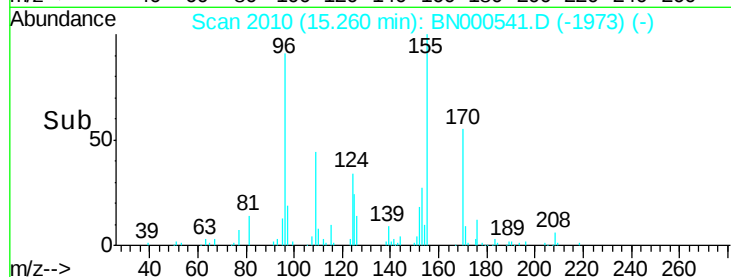
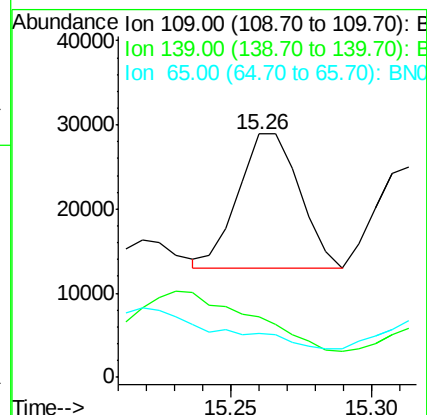
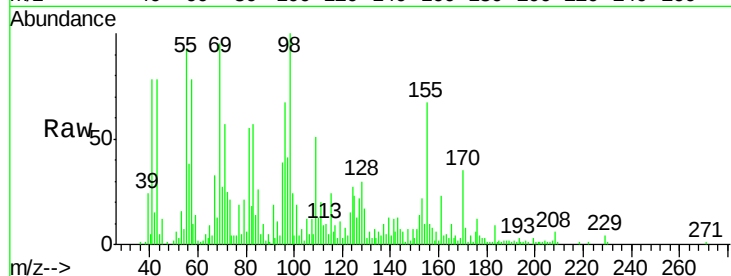
Tot Ion:109 Resp: 24131

Ion Ratio Lower Upper

109 100

139 25.1 91.2 136.8#

65 17.8 92.6 139.0#



#55

2,3,4,6-Tetrachlorophenol

Concen: 373.145 ng/ul

RT: 15.67 min Scan# 2080

Delta R.T. 0.02 min

Lab File: BN000541.D

Acq: 22 Mar 2018 15:37

Tgt Ion:232 Resp: 2121668

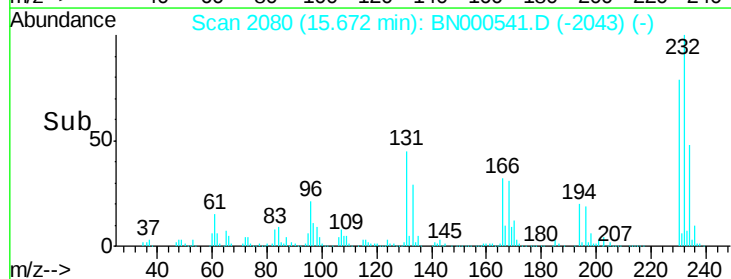
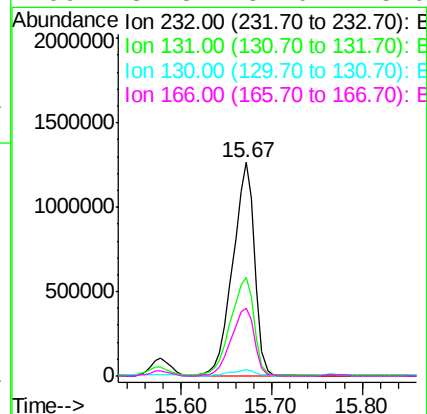
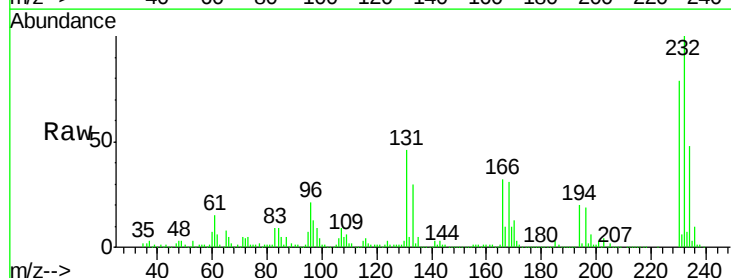
Ion Ratio Lower Upper

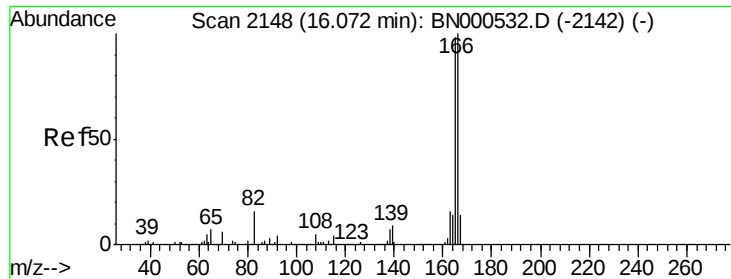
232 100

131 45.9 48.0 72.0#

130 2.7 4.0 6.0#

166 31.8 32.0 48.0#





#58

Fluorene

Concen: 1.605 ng/ul

RT: 16.08 min Scan# 2149

Delta R.T. 0.01 min

Lab File: BN000541.D

Acq: 22 Mar 2018 15:37

Instrument :

BNA_N

ClientSampleId :

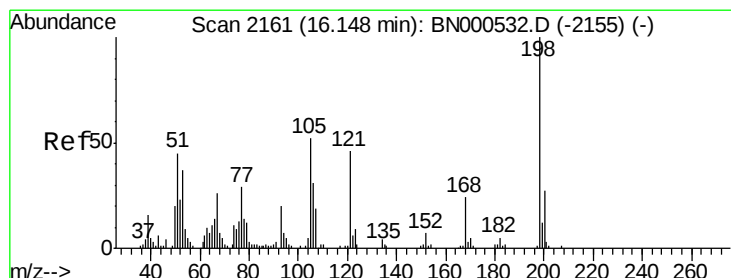
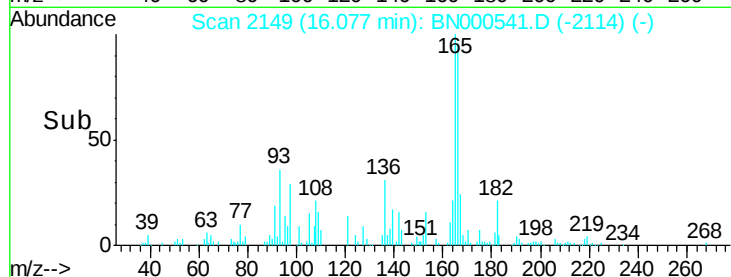
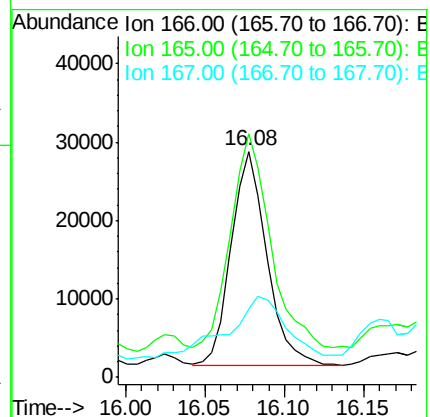
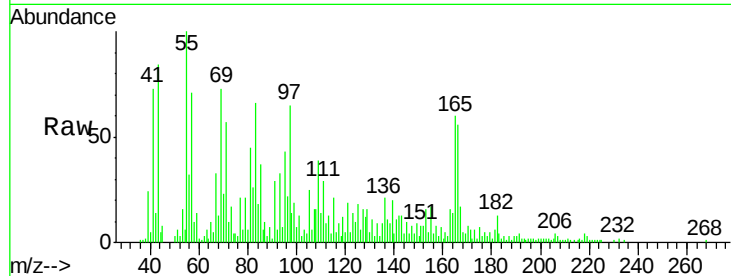
Tot Ion:166 Resp: 42251

Ion Ratio Lower Upper

166 100

165 107.7 78.4 117.6

167 30.0 11.1 16.7#



#63

4,6-Dinitro-2-methylphenol

Concen: 25.306 ng/ul

RT: 16.15 min Scan# 2162

Delta R.T. 0.01 min

Lab File: BN000541.D

Acq: 22 Mar 2018 15:37

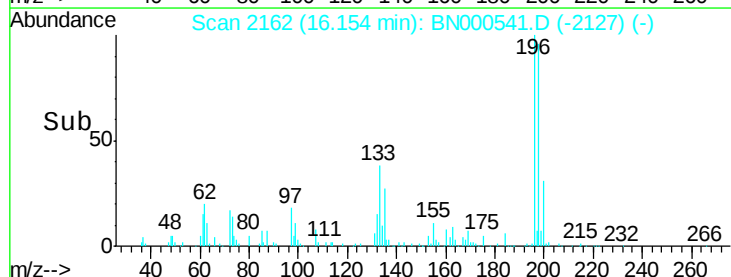
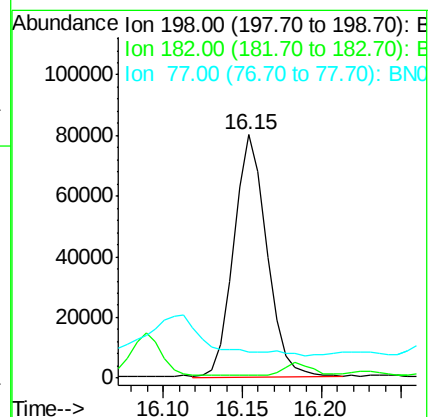
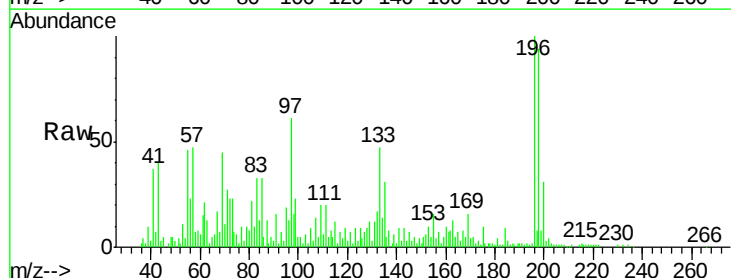
Tgt Ion:198 Resp: 115531

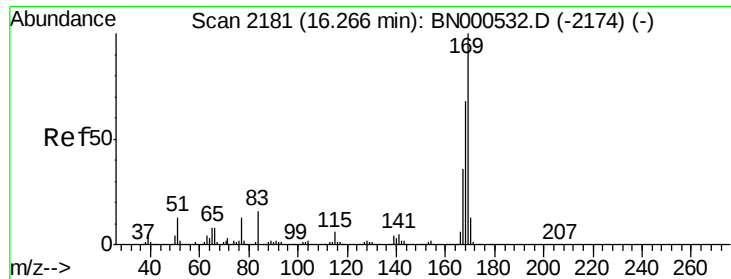
Ion Ratio Lower Upper

198 100

182 1.2 3.5 5.3#

77 10.9 18.2 27.4#

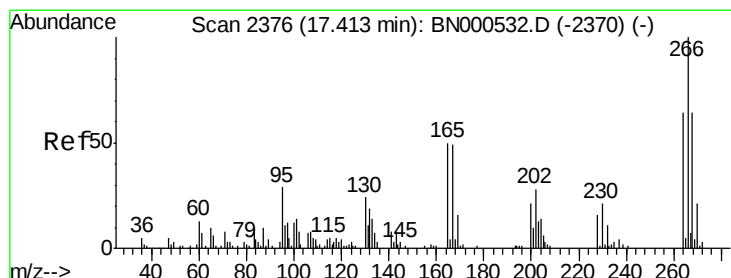
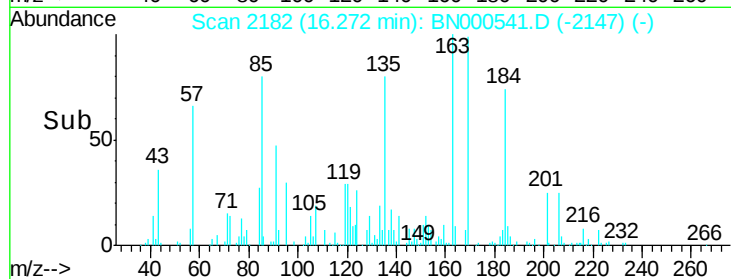
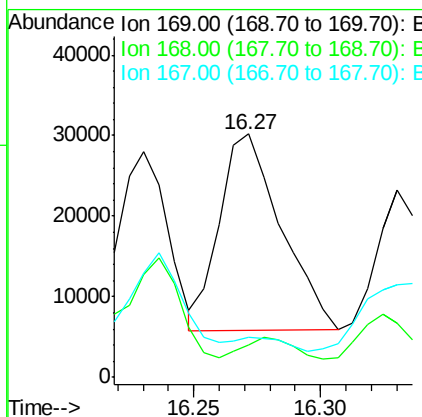
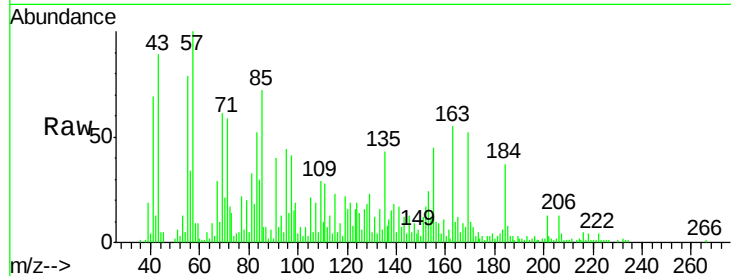




#64
N-Nitrosodiphenylamine
Concen: 1.655 ng/ul
RT: 16.27 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BN000541.D
Acq: 22 Mar 2018 15:37

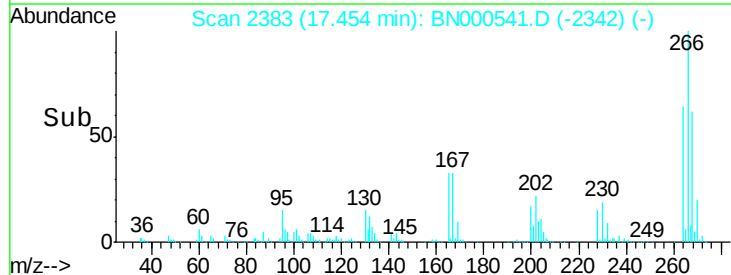
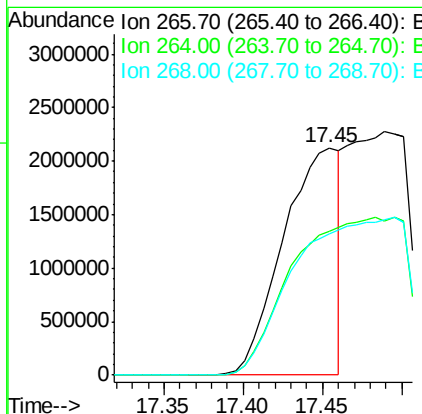
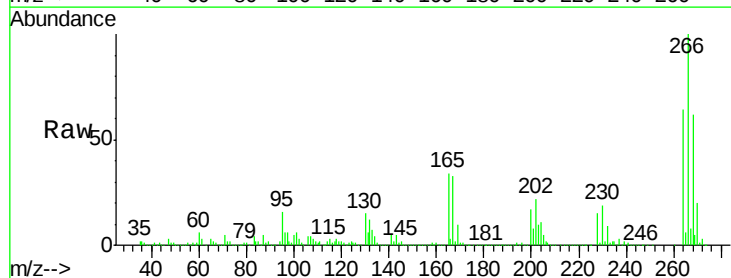
Instrument :
BNA_N
ClientSampleId :

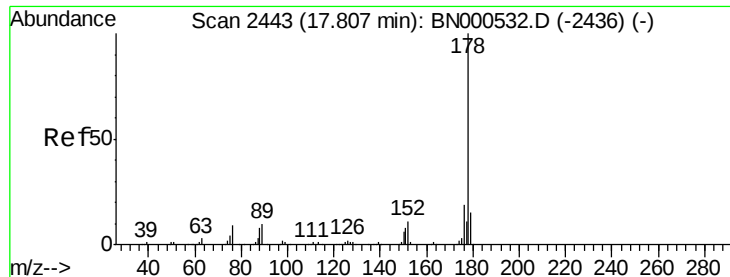
Tot Ion:169 Resp: 41169
Ion Ratio Lower Upper
169 100
168 13.4 53.8 80.8#
167 16.5 29.5 44.3#



#68
Pentachlorophenol
Concen: 1221.682 ng/ul
RT: 17.45 min Scan# 2383
Delta R.T. 0.04 min
Lab File: BN000541.D
Acq: 22 Mar 2018 15:37

Tgt Ion:266 Resp: 5241439
Ion Ratio Lower Upper
266 100
264 63.6 48.2 72.4
268 62.0 52.3 78.5





#69

Phenanthrene

Concen: 4.770 ng/ul

RT: 17.82 min Scan# 2445

Delta R.T. 0.01 min

Lab File: BN000541.D

Acq: 22 Mar 2018 15:37

Instrument :

BNA_N

ClientSampleId :

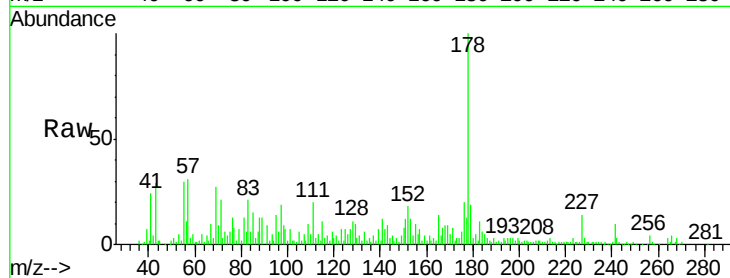
Tot Ion:178 Resp: 207476

Ion Ratio Lower Upper

178 100

179 19.2 12.3 18.5#

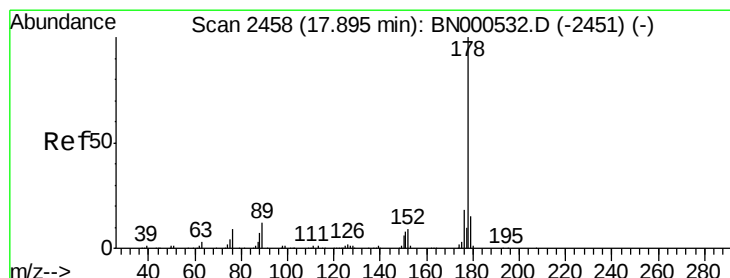
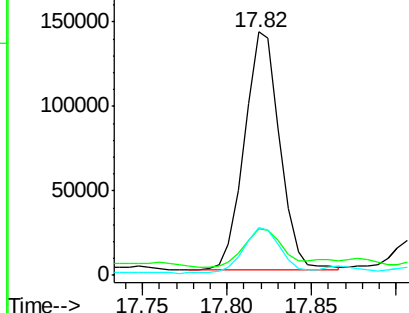
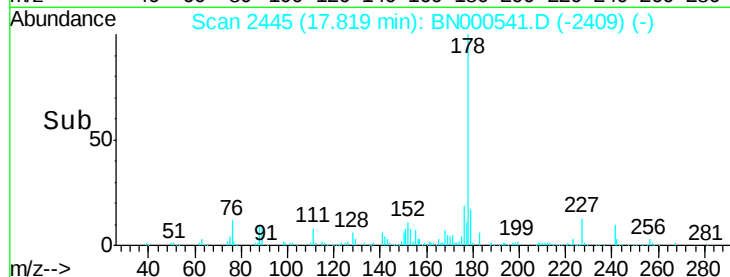
176 19.8 15.4 23.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 4.652 ng/ul

RT: 17.82 min Scan# 2445

Delta R.T. -0.08 min

Lab File: BN000541.D

Acq: 22 Mar 2018 15:37

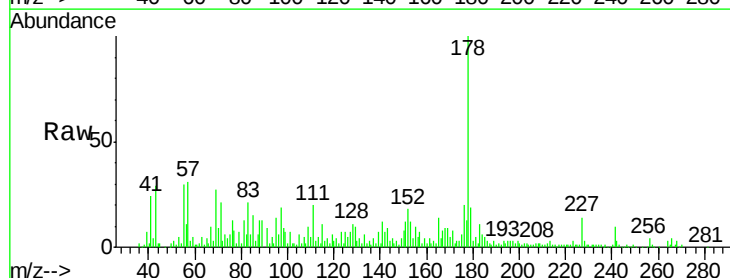
Tgt Ion:178 Resp: 207476

Ion Ratio Lower Upper

178 100

179 19.2 13.4 20.2

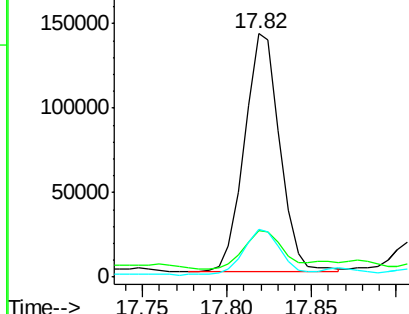
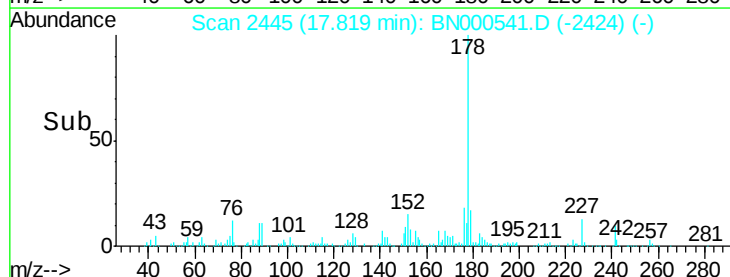
176 19.8 15.4 23.0

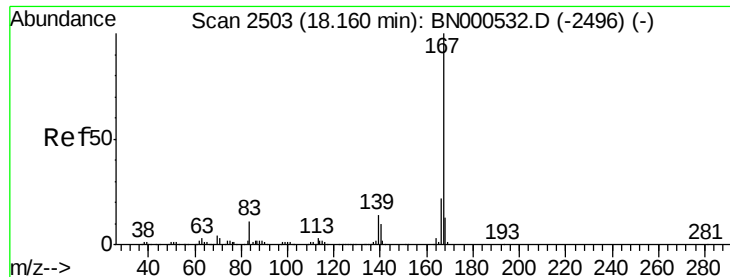


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 1.130 ng/ul

RT: 18.17 min Scan# 2504

Delta R.T. 0.01 min

Lab File: BN000541.D

Acq: 22 Mar 2018 15:37

Instrument :

BNA_N

ClientSampleId :

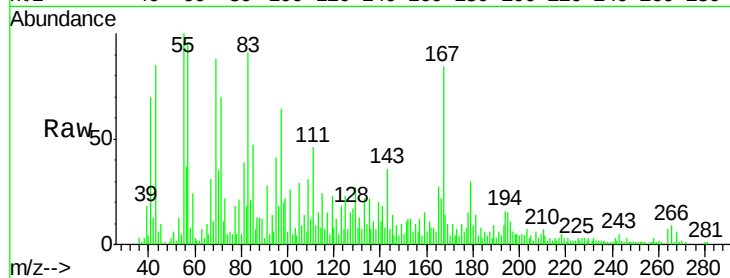
Tot Ion:167 Resp: 43214

Ion Ratio Lower Upper

167 100

166 26.3 17.0 25.4#

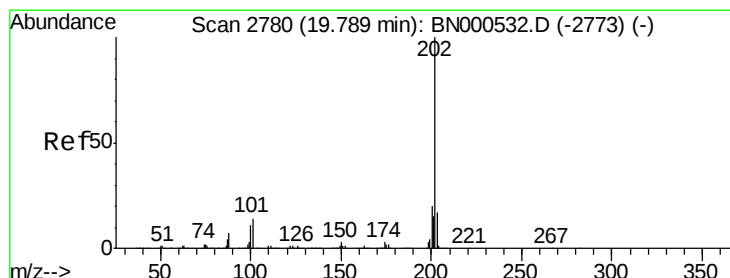
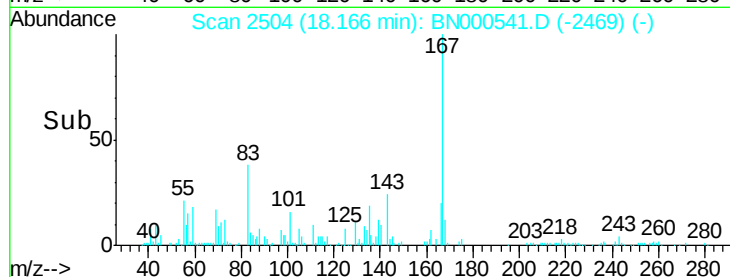
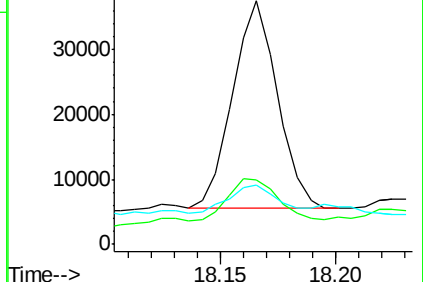
139 24.2 9.1 13.7#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 2.463 ng/ul

RT: 19.79 min Scan# 2780

Delta R.T. -0.00 min

Lab File: BN000541.D

Acq: 22 Mar 2018 15:37

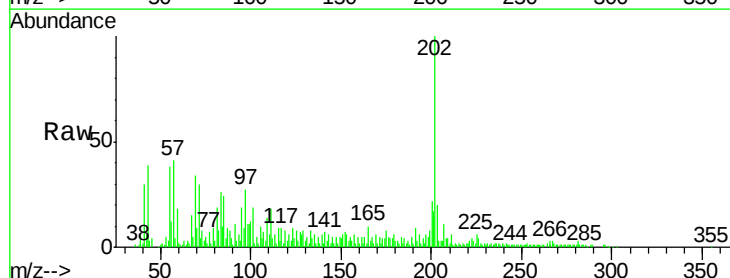
Tgt Ion:202 Resp: 106472

Ion Ratio Lower Upper

202 100

101 19.2 6.1 9.1#

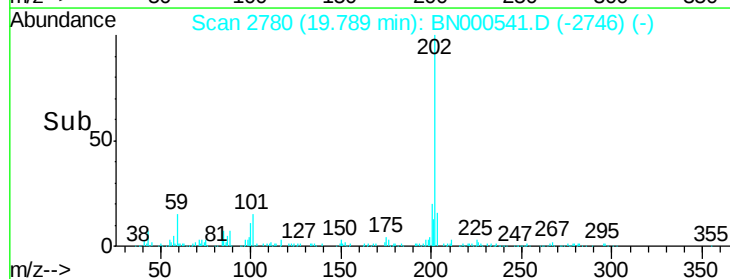
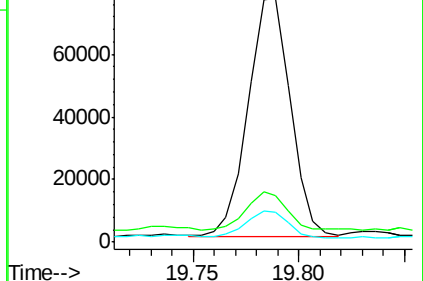
100 12.4 4.6 7.0#

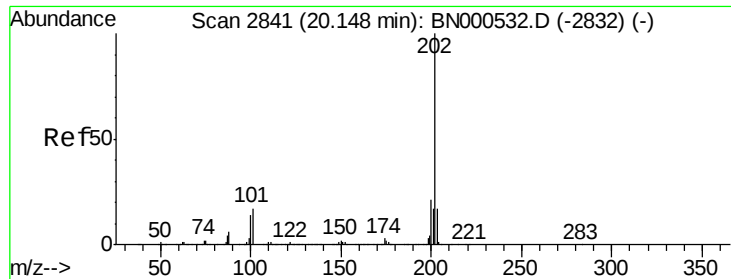


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

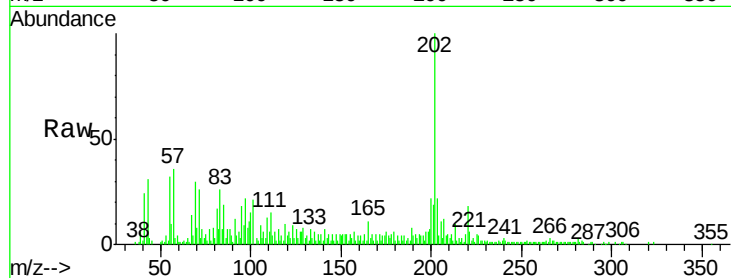




#77
 Pvrene
 Concen: 1.667 ng/ul
 RT: 20.15 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: BN000541.D
 Acq: 22 Mar 2018 15:37

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	20.7	6.9	10.3#
100	15.3	5.6	8.4#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

